Recombinant RL36L protein (His tag)

Catalog Number	549321
Synonyms	60S ribosomal protein L36a-like; Large ribosomal subunit protein eL42-like
Species	Human
Expression System	E. coli
Accession	Q969Q0
Molecular Weight	Predictes a molecular mass of 14.12 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	1-106
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 1-106 aa (Q969Q0) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Ribosomal protein eL42-like (RPL36AL) fragment (residues 1-106) from Homo sapiens, designed for structural and biochemical studies. This stable and soluble fragment represents a key domain of the 60S ribosomal subunit protein, ideal for investigating ribosomal assembly and function. The full-length Ribosomal protein eL42-like (RPL36AL) is a component of the large 60S ribosomal subunit, essential for protein synthesis in eukaryotic cells. Based on subcellular localization data, it resides in the cytoplasm, where it contributes to ribosome structure and function. This recombinant fragment (1-106) was computationally selected to provide a soluble and stable unit, enabling detailed analysis of ribosomal protein interactions and mechanisms in human biology.